REMARKS

Summary of the Office Action

Drawings stand objected to as failing to comply with 37 C.F.R. 1.83(a), because they fail to show a claimed element "vacuum portion".

Claims 9 and 10 stand rejected under 35 U.S.C. §112, first paragraph, as allegedly containing subject matter which was not enabling.

Claims 3, 5, 8 and 10 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite.

Claims 1, 3 and 5 stand rejected under 35 U.S.C. §102(b) as allegedly being anticipated by *Inoue* (U.S. Patent No. 5,705,105).

The Examiner is thanked for indicating that claims 7-10 include allowable subject matter.

Summary of the Response to the Office Action

Applicants have canceled claims 9 and 10 without prejudice or disclaimer, amended claims 1, 3 and 5 to more clearly define the invention and correct informalities. Accordingly, claims 1, 3, 5 and 7-8 are presently pending.

Attached hereto is a marked-up version of the changes made by the current amendment. The attached pages are captioned "Version with markings to show changes made."

Objection to Drawings

Drawings stand objected to because they fail to comply with 37 C.F.R. 1.83(a). Specifically, the drawings fail to show the "vacuum portions" recited in claims 9 and 10. Since Applicants have canceled claims 9 and 10 without prejudice or disclaimer, the objection to the drawings becomes moot. Accordingly, Applicants respectfully request that the objection to drawings be withdrawn.

The Rejection under 35 U.S.C. §112, first paragraph

Claims 9 and 10 stand rejected under 35 U.S.C. §112, first paragraph, as containing subject matter which was not enabling.

In the Office Action, the Examiner alleges that the subject matter of claims 9 and 10 is not enabled because it is not clear what a vacuum portion is, where the vacuum portion is located on the annular ring, what the purpose of the vacuum portion is, or how one of ordinary skill in the art would make such a structure.

Since Applicants have canceled claims 9 and 10 without prejudice or disclaimer, the rejection of claims 9 and 10 becomes moot. Accordingly, Applicants respectfully request the rejection under 35 U.S.C. §112, first paragraph, be withdrawn.

The Rejection under 35 U.S.C. §112, second paragraph

Claims 3, 5, 8 and 10 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite. Applicants have amended claims 3 and 5 in accordance with the comments in the Office Action. Applicants respectfully submit that claims 3 and 5, as newly-amended, fully

comply with the requirements of 35 U.S.C. §112, second paragraph. Further, Applicants respectfully submit that claim 8 also fully complies with the requirements of 35 U.S.C. §112, second paragraph, at least because of their dependence on newly-amended claim 3. Furthermore, since Applicants have canceled claim 10 without prejudice or disclaimer, the rejection of claim 10 is moot. Accordingly, Applicants respectfully request the rejection under 35 U.S.C. §112, second paragraph, be withdrawn.

The Rejection under 35 U.S.C. §102(b)

Claims 1, 3 and 5 stand rejected under 35 U.S.C. §102(b) as being anticipated by *Inoue*. The 102 rejection is respectfully traversed for at least the following reasons.

With respect to independent claim 1, as newly-amended, Applicants respectfully submit that *Inoue* does not teach or suggest "second heat suppressing member at a position opposing to said first heat suppressing member on a second mold body side of said pair of mold bodies."

Further, Applicants respectfully submits that claim 1, as newly-amended, is allowable at least because it includes the limitations of canceled claim 2, which has been indicated on page 7 of the previous Office Action dated May 1, 2002 as not being taught or suggested by *Inoue*.

For similar reasons, with respect to independent claim 3, as newly-amended, Applicants respectfully submit that *Inoue* does not teach or suggest "second heat suppressing means at a position opposing to said first heat suppressing means on a second mold body side of said pair of mold bodies."

With respect to independent claim 5, as newly-amended, Applicants respectfully submit that *Inoue* does not teach or suggest "said molding space has the same volume as said conductor member."

As shown in Fig. 1 of *Inoue*, which is provided in the Office Action, the Examiner suggests that a space of *Inoue,* denoted by an arrow, is a "molding space" as claimed in the present application. The Examiner alleges that the arrow-denoted space of *Inoue* has almost the same volume as a conduction member 27 of *Inoue*. However, as shown in Fig. 1 of *Inoue*, Applicants respectfully submit that the arrow-denoted space of *Inoue* is smaller than the conduction member 27 of *Inoue*. Therefore, Applicants respectfully submit that *Inoue* fails to teach or suggest "said molding space has the same volume as said conductor member," as recited by newly-amended independent claim 5.

Applicants respectfully submit that the rejection under 35 U.S.C. §102(b) should be withdrawn because *Inoue* does not teach or suggest each and every feature of independent claims 1, 3 and 5, as newly-amended. As pointed out in MPEP § 2131, "[t]o anticipate a claim, the reference must teach every element of the claim." Thus, "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. Verdegaal Bros. v. Union Oil Co. Of California, 2 USPQ 2d 1051, 1053 (Fed. Cir. 1987)."

The Examiner is thanked for indicating that claims 7-10 include allowable subject matter.

With no other rejection pending and cancellation of claims 9 and 10, Applicants respectfully submit that claims 1, 3, 5, 7 and 8 are in condition for allowance.

Conclusion

In view of the foregoing, Applicants respectfully request entry of the amendments to place the application in clear condition for allowance or, in the alternative, in better form for appeal. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such extension is requested and the fee should also be charged to our Deposit Account.

Respectfully Submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend pending claims 1, 3 and 5 as follows:

1. (Twice Amended) A mold for injection molding of a disc comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween,

a conduction member which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space, and

a first heat suppressing member for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies is disposed between said conduction member and said first of said pair of mold bodies fitted to said conduction member,

a second heat suppressing member at a position [~~opposite~~] **opposing to** said first heat suppressing member on a second mold body side of said pair of mold bodies.

3. (Twice Amended) A mold for injection molding of a disc substrate comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween,

a conduction means which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space, and

a first heat suppressing means for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies disposed between said conduction means and said first of said pair of mold bodies fitted to said conduction means,

a second heat suppressing [~~member~~] **means** at a position [~~opposite~~] **opposing to** said first heat suppressing [~~member~~] **means** on a second mold body side of said pair of mold bodies.

5. (Twice Amended) A mold for injection molding of a disc substrate comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween,

a conduction member which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space, wherein

said mold is provided with a molding space for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies disposed at a portion of a second of said pair of mold bodies opposite said conduction member, and

said molding space has [~~substantially~~] the same volume as said conduction member.

Claims 9 and 10 have been canceled.